

Part 573 Safety Recall Report

15V-140

Manufacturer Name : Kalmar Solutions, LLC**Submission Date :** MAY 09, 2016**NHTSA Recall No. :** 15V-140**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Kalmar Solutions, LLC

Address : 415 E. Dundee Street

Ottawa KS 66067

Company phone : 785-229-6341

Population :

Number of potentially involved : 311

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2014-2015 Kalmar Ottawa

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Restrictive routing of the battery ground cable can result in a fatigue failure of the cable eyelet where it attaches to the transmission. With the resulting loss of ground the current flow generated during engine cranking finds an alternate path through the engine harness. The wire in the harness is not designed to carry that much current. As a result the wire insulation will melt and this could result in a fire.

Production Dates : JUN 20, 2014 - NOV 14, 2014

VIN Range 1 : Begin : 11vf813e0ae000295 End : 11vf813e1fa000145 Not sequentialVIN Range 2 : Begin : 11vf813e0ae000295 End : 11vf813e1fa000145 Not sequential**Description of Defect :**

Description of the Defect : Restrictive routing of the battery ground cable can result in a fatigue failure of the cable eyelet at the point where it attaches to the transmission.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : With the resulting loss of ground the current generated during engine cranking finds an alternate path through the engine harness ground wire. The wire in the harness is not designed to carry that much current. As a result the wire insulation will melt and this can result in a fire.

Description of the Cause : Restrictive routing of the battery cable prohibits movement of the cable. Since the cable cannot flex the eyelet is repeatedly bent and fails due to fatigue.

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : NR
Address : NR
NR
Country : NR

Chronology :

November 9, 2015 we received several reports of broken battery ground cables.
November 15, 2015 actions were taken by production to reroute the cable in order to reduce strain on the cable.
January 16, 2016 we received notification that a truck experienced an electrical fire involving the engine harness. The cause was traced to a broken battery ground cable. It was determined that it is possible to overload the engine ground circuit if the battery ground fails.
February 1, 2015 affected units were identified and process begun to initiate a recall.

Description of Remedy :

Description of Remedy Program : The battery cable will be replaced and the routing corrected to eliminate stress on the cable eyelet. All parts and labor associated the repair will be covered by the manufacturer.

How Remedy Component Differs from Recalled Component : The remedy changes only the routing of the component involved.

Identify How/When Recall Condition was Corrected in Production : Assembly instructions were modified to include new routing for the battery ground cable on November 15, 2014.

Recall Schedule :

Description of Recall Schedule : Notification will begin immediately upon receipt of approval.

Planned Dealer Notification Date : MAR 24, 2015 - MAR 31, 2015

Planned Owner Notification Date : MAR 31, 2015 - APR 17, 2015

* NR - Not Reported